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| Titolo | Handbook of Underground Gas Storages and Technology in China [[electronic resource] /] / edited by Xinhua Ma |
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| ISBN | 981-334-734-1 |
| Edizione | [1st ed. 2022.] |
| Descrizione fisica | 1 online resource (1215 pages) |
| Disciplina | 665.742 |
| Soggetti | Energy storage<br>Energy policy<br>Energy and state<br>Geotechnical engineering<br>Mechanical and Thermal Energy Storage<br>Energy Policy, Economics and Management<br>Geotechnical Engineering and Applied Earth Sciences |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Summary of UGSs in the World -- Existing UGSs in China -- Market Demand and Resource Distribution of UGS in China -- Technologies for Construction of Gas Reservoir UGS -- Technologies for Construction of Salt Cavern UGS -- UGS Integrity Management and Risk Control -- UGS Operation Management Model. |
| Sommario/riassunto | This book summarizes achievements and technology of China's underground gas storage in the past 20 years based on years of experience and technology accumulated in the construction and operation of gas storages. It also analyses and projects the future construction of underground gas storages in China Readers can systematically understand the construction status of China's underground gas storages, the difficulties encountered and the process and solution to such difficulties. It provides important theoretical and technical guidance for both in China and the world. Features of this book are listed as 1. Understand the development history, construction status, development trend of the underground gas storages around the world with countries and regions listed as case studies. 2. Understand |

the market demand of China's underground gas storages and resource distribution. 3. Understand the underground gas storages already built in China. 4. Understand the integrity management and risk control of the gas storages in China. 5. Understand the operation and management mode of gas storage. The target audience are those engaging in the research and technical management of the underground gas storage. It’s a valuable reference for both reseachers and college students as well in the fields of underground storage of carbon dioxide (CO2) and helium (He), Power to Gas energy accumulation.